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SPECIMEN JUNIOR HIGH SCHOOL PROGRAMS OF STUDY

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SPECIMEN JUNIOR HIGH SCHOOL PROGRAMS OF STUDY.

"Kindly send me copies of junior high-school programs of study or tell me where I may obtain copies of such programs" is the content of numerous letters received by the Bureau of Education. In order that these requests may be granted, this leaflet, which contains 25 programs of study selected from those on file in this office, has been prepared. Four of the programs included are the work of State departments of public instruction and 21 of city school departments. The programs may be considered typical of those in use in both the smaller and larger cities in various sections of the country.

A comparison of the 25 programs reveals the fact that while no two are exactly alike, certain principles are fairly well adhered to. One is that the first junior high-school year, or at least the first half of that year, should be a transition or an adjustment period and that for this reason the courses should be a continuation of the elementary courses but presented from a new viewpoint. Some schools, however, offer electives in the first junior high-school year. Of the 25 school systems represented, 15 offer electives in the first year, 22 in the second, and 25 in the third.

The usual type of program is that of the single curriculum with constants and variables. Of the 25 systems, 16 have a single curriculum, 6 have a single curriculum in the first two years and two or more curriculums in the third year; one has a single curriculum in the first year and more than one in the second and third. Only two have more than one curriculum beginning with the first year.

The following table shows by years the number of programs in which certain courses are required, elective, or not offered:

Courses required, elective, or not offered.

	First year.			Second year.			Third year.			
		e- red.	Elec-	Not offered.	Re- quired.	Elec- tive.	Not offered.	Re- quired.	Elec-	Not offered.
English Mathematics Social science Foreign language General science Manual training or industrial art Home economics Physical education and hy- giene Music Art or drawing Commercial (stenography, typewriting or bookkeep- ing) Agriculture.		25 25 25 0 7 21 24 23 23 20 0	0 0 0 0 11 1 0 4 1 1 2 4 4 1	0 0 0 14 18 0 0 1 0 1	25 25 25 0 8 17 18 22 21 17	0 0 0 19 1 1 8 7 1 4 6	0 0 0 6 15 0 0 2 0 2	25 16 11 0 8 4 4 21 12 5	0 10 10 25 8 21 21 21 2 12 19	0 0 4 0 9 0 0 0

It will be noted from the foregoing table that in the first and second years English, mathematics, and social science (history, civics, and geography) are required of all pupils. In the third year, English is the only course required by all the school systems represented. Manual training, home economics, physical education, music, and art are required by most of the schools in the first year. General science has not been adopted as widely as might be supposed.

To supplement the foregoing table the following table is presented to show the number of programs in which certain courses are set down as required of every pupil at some time within the three years:

Courses required some time in the program.

Mathematics. Social science.	25 25	Home economics. Physical education. Music.	24 23
Science	17	Art or drawing.	20
Manualtraining	23		

Anyone making a comparison of these recent programs of studies with those of a few years ago will find that in the earlier programs there was but little attempt to reorganize the program of studies in the grades constituting the junior high school. Possibly a foreign language, algebra, and a few other subjects were offered as electives, but the required subjects were practically the same in content as those of the old seventh and eight grades. This is still too true in some schools designated as junior high schools, but the aim now, whether it has been fully realized or not, is to make a survey of the chief departments of human knowledge at that period of the child's life when he demands change, variety, and human interest rather than completeness and logical arrangement. The work of the junior high school, then, can well comprise the giving of courses in English literature, general social science, general mathematics, general science, foreign language for those who have the ability and the desire to study such, music, art, physical education, and the practical arts. By pursuing such courses a pupil has landmarks of the chief fields of knowledge established, and is much better equipped to leave school permanently or to go on into the senior high school than the pupil who has been doing nothing in the seventh and eighth grades but reviewing the work of the fifth and sixth grades, which is usually a most stultifying process, opening up no new fields as do the general courses of the junior high school.

To assist those who are preparing junior high-school programs and courses of study, a bibliography of the more recent publications is appended. A few State and city junior high-school courses are included, most of which may doubtless be had by addressing the State or city school superintendents.

ARDMORE, OKLA.

EIGHTH YEAR.

SEVENT	TH YEAR.			,		EIGHTH YEAR.	
Subjects			Periods a week.		S	ubjects.	Periods a week.
English. History, geography, civic Arithmetic. Hygiene Cooking. Woodwork or sheet meta Art. Music. Physical education.			5 5 5 5 3 2 2 2 2 2 1	Englis Arithm Histor Biolog Sewin Wood shee Music Art Physic	netic, commy, civics, v.y and agricg work and a t metal and	nercial, or general	5 5 5 2 3 3 2 2 1
			NINTH Y	EAR.			
Subjects			Periods a week.		S	ubjects.	Periods a week.
Academic	c.				Con	mmercial.	
English Algebra Latin or Spanish Music Art			4 1	Unite	d States oraphy.	civil and commercial	5 5 5 5
Physical education Elective			5	Music		on	2 2 1
Household a				Thysi		ıstrial arts.	1
English. Algebra or advanced arithmetic. Sewing 3 and cooking 2. Applied design. General science applied to household. Music.			3 2	English			5 5 5
Art. Physical education			2 Music 1 Art. Physical education. Elective			on	2 2 1 5
			Elect	tives.			
Ancient history. General science. Latin. Spanish. Cooking and sewing.			5	Bookl Unite geog Wood Machi	5 5 5 5		
			AUSTIN	MINI			·
SEVENTH YEAR.				YEAR.		NINTH YEAR.	
Subjects.	Periods a week.		Subjects.		Periods a week.	Subjects.	
English—reading and spelling Arithmetic. Geography and commercial geography Grammar and composition United States history (2). Penmanship Domestic science Manual training Music Drawing	55 5 5 3 22 22 22 22	English—reading, lit erature, spelling Arithmetic. Grammar and composition. United States history and civics Penmanship Elementary agricultur Domestic science. Manual training. Drawing. Music.			5 5 5 3 2 2 2 2 1 1	Required. English. Algebra. Elect two. Latin grammar. Ancient history. General science. Penmanship (1), citizenship (2) Commercial arithmetic (1), bot any (2). Domestic science. Manual training. Drawing. Technical music. Glee club. Smith-Hughes course in agricul ture.	

CLEVELAND, OHIO.

	Periods		D 1
Subjects.	a week.	Subjects.	Periods a week
7 B.		8 A.	
Required.		Required.	
English	10	English	
Mathematics	5 5	Mathematics	
Geography		Social science	
History and social problemsPhysical education	$\frac{4}{2}$	Physical education	
Hygiene	1	Music	
Music		Art Vocations.	
Art Shop and drawing		Shop and drawing	
Home economics.	4	Home economics.	
8 B.	1	Electives (5 or 6 periods).	
Denvis 2		English	
Required.		Latin French	
Inglish	5 5	Spanish	
ocial science.	4	Commercial.	
Physical education	2	Shop and drawing. Home economics.	
Iygiene Iusic	1		
art	2	9 B.	
ocations	1	Required.	,
hop and drawing	4 4	English	
tome continues	1	Mathematics	
Electives (5 or 6 periods).		Music. Physical education.	
Inglish	5	Fifysical education	
atin	5	Electives (10 to 16 periods).	
rench panish	5 5	Social science.	
ommercial	5	Latin.	
hop and drawing	6	French	
Iome economics	6	Spanish General science	
7 A.		Applied art	6-
1 A.		Shop and drawing	10-
Required.		Home economics	
nglish	5	*	
fathematics	5 5 5	9 A.	
eography	4	Required.	
Listory and social problems. Physical education.	2	English	
Iygiene Iusic	1	Mathematics	
rt	2	Physical education.	
hop and drawing	4		
Iome economics	4	Electives (10 to 16 periods).	
Electives (5 or 6 periods).		Social science. Latin	
English	5	French	
atin	5 5	Spanish	
renchpanish	5	General science. Applied art	6-
Commercial	5	Shop and drawing	10-
snop and drawing	6	Home economics	
Home economics	6	Bookkeeping.	

CUDAHY, WIS.

SEVENTH GRADE.

SEVENTH GRADE.	
Subjects.	Periods a week.
Mathematics English—language, grammar, composition, reading, spelling, penmanship, and library methods. "itizenship. Geography. History (U.S.) Household mechanics (boys). Household arts (girls). Music Free-hand drawing; nature study Physical training—gymnasium (3 hours); hygiene (1 hour).	2 3 2 5 5 1 1
EIGHTH GRADE.	,
Mathematics English—language, grammar, composition, reading, spelling, penmanship, and library methods. History (U.S.) Sivics Menual arts (boys). Household arts (girls) Music Nature and agriculture. Free-hand drawing. Physical training—gymnasium (3 hours); hygiene (1 hour).	7 3 2 5 5 1 2
NINTH GRADE.	1
Required subjects. English. Algebra or commercial arithmetic Elementary science or general geography Citizenship Penmanship and spelling. Free-hand drawing. Music Physical training. Elective (one subject may be elected by the student). Ancient and medieval history Shorthand. Physwriting. Latin. German. Manual arts	55 52 1 1 1 3 55 55 55

DENVER, COLO.

Year.	Required subjects.	Periods a week.	Elective subjects.	Periods a week.
7 B	English (grammar, composition, literature, spelling, and penmanship). Mathematics Geography, general science. [Music.] Drawing [Physical education and hygiene.] Manual training or sewing and cooking.	10 5 5 1 2 2 5		
7 A	English (grammar, composition, literature, spelling, and penmanship) Mathematics Citizenship and American history. [Music Drawing Physical education and hygiene Manual training or sewing and cooking.	5 5 5 1 2 2 5	Elect one. Commercial (penmanship, business forms, and commercial arithmetic) . Latin. French. Spanish.	5 5 5 5 5
8 B	English (grammar, composition, literature, spelling, and penmanship) Mathematics Cittizenship and American history. [Music Drawing Physical education and hygiene. Manual training or sewing and cooking.	5 5 5 1 2 2 5	Elect one. Commercial (elementary accounting). Latin French Spanish	5 5 5 5 5
8 A	English (grammar, composition, literature, spelling, and penmanship) Mathematics. Geography, general science [Music. Drawing. [Physical education and hygiene	5 5 5 1 2 2	Elect one. Commercial (elementary accounting). Manual training or sewing and cooking. Latin. French Spanish.	5 5
9 B	(English	5 1	Elect one or two. Ancient history. Latin. French. Spanish Science (general). Commercial (commercial arithmetic, related English, and penmanship). Manual training. Home economics	5 5 5 5
9 A	English Mathematics (Music Drawing (Physical education.	1	Elect one or two. Ancient history. Latin. French. Spanish Science (general). Commercial (commercial arithmetic, related English, and penmanship). Manual training. Home economics	5 5 5 5 5

DETROIT, MICH.

	Sevent	h grade.		Eighth grade.				Ninth grade.			
Subjects.	D		Gen-	Tech	nical.	Com-	Gen-	Tech	nical.	Com-	
	В	A	eral.	Boys.	Girls.	mer- cial.	eral.	Boys.	Girls.	mer- cial.	
Health Social science English Mathematics General science Auditorium. Music Art and design Foreign language. Cooking (girls). Sewing (girls). Household science (girls). Mechanical drawing (boys). Mechanical drawing (boys). Bookkeeping. Business practice. Statistics. Typewriting. Penmanship.	5 5 4 4 3 3 2 1 1 1 2 2 2 3 3 1					5 5 4 2 2 2 2 1 1 1 1 5	5 5 4 3 2 2 2 1 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1	5 5 4 3 2 2 2	5 5 4 2 2 2 2 1 2 3 3 1	5 5 4 2 2 2 1 1 1 5 1 2 2 2 2 1 1 1 2 2 2 2 2	
Total	30	30	30	30	30	30	30	30	30	30	

FARGO, N. DAK.

Subjects.	Periods a week.	Subjects.	Periods a week.					
SEVENTH YEAR. Required. English . Mathematics . Geography . History . Music . Physical education . Industrial arts . EIGHTH YEAR . English . Mathematics . History - civics . Music . Physical education . Industrial arts . Arts and crafts .	4 3 2 2 4 2 8 5 5 5 2 2 6	NINTH YEAR. English Chorus. Physical education. Elective (any three). Algebra. Arithmetic(commercial) and bookkeeping. General science. Latin. French. Manual arts. Household arts. Ancient history. Arts and crafts.	5 5 5 5 5 10					

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FARIBAULT, MINN.

SEVENTH YEAR.

EIGHTH YEAR.

Required of all. English I. Junior mathematics I. Geography and science. Home economics I (girls). Shop, junior I. Physiology and hygiene. Junior chorus. Penmanship and spelling.	1 1 12121214	Required of all. English II. Junior mathematics II History and civies. Vocations II (girls). Vocations II (boys). Penmanship and spelling.	1 1 1
Elective. Junior French I		Junior French II Junior chorus Band	1 1 2

NINTH YEAR.

Academic.	Fine arts.	Practical arts.	Commercial.	Agricultural.
Required. English III. Algebra or General mathematics I. General science. (Elect 1 to 1½.) Elective.	English III. Algebra or general mathematics I. Drawing and Painting. (Elect 1 to 1½.)	English III. Algebra or General mathematics I. General science. (Elect 1 to 1½.)	English III. Algebra or General mathematics I. Commercial geography and commercial arithmetic. (Elect 1 to 1½.)	English III. Agriculture II. Agriculture IV. (Elect 1 to 1½.)
French I or III. Spanish I. Latin I. Latin I. Commercial geography and commercial arithmetic. Drawing and painting. Shop III. Mechanical drawing I. Cooking and sewing III. Chorus. Band.	General science. French I or III. Spanish I. Latin I. Chorus. Band.	Shop III. Mechanical drawing I. Cooking and sewing III. Drawing and painting. Chorus. Band.	Spanish I. French I or III. Latin I. General science. Chorus. Band.	Algebra. General mathematics I. General science. Chorus. Band. (Opportunity will be given to complete seventh or eighth grade work.)

KALAMAZOO, MICH.

SEVENTH YEAR.

Subjects.	Periods a week.	Credits.	Subjects.	Periods a week.	Credits.
Required. English Arithmetic History Geography General science Physical education and hygiene. Penmanship ¹ .	5 3 . 3	5 5 3 3 3 2	Elective. (Choose 3 points credit.) Carpentry Cooking. Music. Drawing	4 4 2 2	2 2 1 1

¹ Student excused from penmanship when he attains class standard.

KALAMAZOO, MICH.—Continued.

EIGHTH YEAR.

Subjects.	Periods a week.	Credits.	Subjects.	Periods a week.	Credits.
Required. English Algebra History and community civics Physical education and hygiene . Penmanship ¹ . Music or drawing	5 4 5 3 2 2 2 2	5 4 5 2 1 1 1	Elective. (Choose 7 or 8 point credit.) General science Latin 2 Typewriting Mechanical drawing Cabinet making Cooking. Sewing	4	3 5 2 2 2 2 2 2

Student excused from penmanship when he attains class standard.
 May be elected only on recommendation of junior high faculty.

NINTH YEAR.

			1		
Subjects.	Periods a week.	Credits.	Subjects.	Periods a week.	Credits.
ACADEMIC COURSE. Required.			COMMERCIAL COURSE. Required.		
EnglishAlgebra. Physical education	5 5	5 5	Bookkeeping and arithmetic English. Physical education	1 5 5	5 5
Elective.			Elective.		
(Choose 10 points.) Early European history Latin. Physical geography Bookkeeping. General art Mechanical drawing. Wood work. Clothing and textiles Music Typewriting, for those who took typewriting in the 8th grade.	5 15 15 15	555555555	(Choose 10 points credit.) Algebra Early European history Physical geography Latin Typewriting 2 General art Mechanical drawing Wood work Clothing and textiles Agricultural botany Music.	5 15 15 15	55555555555
AGRICULTURAL COURSE. English Algebra Wood-turning (first semester). Pattern making(second semester). Mechanical drawing. Agricultural botany. Farm practice (30 minutes daily) Physical education.	1 5	5 5 5 5 5	HOUSEHOLD ARTS COURSE. Required. English. Algebra. Sewing and textiles. Physical education Elective.	5 1 5	5 5 5
Boys' technical course. English Algebra. Wood work (first semester). Pattern making (second semester) Physical geography, or early European history. Mechanical drawing. Physical education	15	5 5 5 5 5 5 5 5	(Choose 5 points credit.) Physical geography Music. Early European history Bookkeeping. General art.	5	5.5.5.5.5

¹ Double periods.
2 For those who took typewriting in the eighth grade

LEXINGTON, KY.

SEVENTH YEAR-B DIVISION.

SEVENTH YEAR-A DIVISION.

Subjects.	Periods a week.	Subjects.	Periods a week.
English: Literature Grammar and spelling Arithmetic—oral and written. Geography History—dawn of American history in Europe and current events. Sewing or cooking (girls). Manual training (boys) Drawing. Vocal music Physical training	5 5 3 2 2 1 1	Required. English: Literature. Grammar and spelling. Elementary geometry. Geography. American history and current events. Sewing and cooking (girls). Manual training (boys). Drawing. Vocal music. Physical training. Elective. French. Latin. Elective literature. Orchestra.	55 33 32 22 11 11 14 44 44

EIGHTH YEAR—B DIVISION.

EIGHTH YEAR-A DIVISION.

Subjects.	Periods a week.	Subjects.	Periods a week.
Required. English: Literature. Grammar and spelling. Elementary algebra. Geography. American history and current events. Sewing or cooking (girls). Manual training (boys). Drawing. Vocal music. Physical training.	5 3 3 2 2 1 1	Required. English: Literature. Grammar and spelling. Arithmetic. Physiology. American history and current events. Sewing or cooking. Manual training. Drawing. Vocal music. Physical training.	5 5 3 3 2 2 1
Elective. French Latin Elective literature. Shorthand and typewriting Orchestra.	4 4 4	Elective. French. Latin. Elective literature. Shorthand and typewriting. Orchestra.	4 4 4

NINTH YEAR-B DIVISION.

NINTH YEAR-A DIVISION.

		1	
Subjects.	Periods a week.	Subjects.	Periods a week.
Required. English: Literature.		Required. English: Literature.	
Rhetoric and spelling	5	Rhetoric and spelling	5
AlgebraCivics.	3	AlgebraCivics.	3
General science	3	General science	3
Sewing or cooking (girls)	2	Sewing or cooking (girls) Manual training (boys)	2
Physical training	1	Physical training	1
Elective.		Elective.	
French	4	French	4
Latin History—World War and current events	4 4	Latin. History—World War and current events	4 4
Drawing. Vocal music	i	Drawing. Vocal music.	Î.
V ocal music	1	V ocal music. Orchestra.	1

LEWISTON, IDAHO.

SEVENTH YEAR.

Subjects.	Periods a week.	Subjects.	Periods a week.
Required. English Mathematics. History-geography. Music. Penmanship. Physical education. Elective.	5	Elective. German. Spanish. Latin. Sewing. Cooking. Shop work and drawing. Fine and industrial arts.	

EIGHTH YEAR.

Required. English		Elective. German. Spanish. Latin. Sewing. Cooking. Shop work and drawing. Fine and industrial arts.	5 5 5 2 2 4 1
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NINTH YEAR.

Required.	Elective.	
English. Music. Physical education Elective.	 German 5 Spanish 5 Latin 5 Greek and Roman history 5 Biology 5 Algebra 5 Commercial geography, one-half year 5 Commercial arithmetic, one-half year 5 Cookery and sanitation 4 Shop work and drawing 4 Fine and industrial arts 1 Industrial history 1	

Preparatory to high-school Preparatory	VI. GENERAL ELECTIVE.	For pupils who want to try several lines of work. This course will not fit pupils for all high-school courses.	English Periods. Geography 5 Geography 5 Mathematics 5 Physical education 5 Music Pentaniship 5 Music Boys—shop subjects. English—clothing.	English Geography Mathematics Flyssical education Drawing History Fractical arts S Boys—shop subjects Girls—foods.	English History Mathematics, drawing, 5 typewriting, or foreign language (lefer 10) frysteal education 5 Oral English-music 5 Shop, foods, printing, typewriting, freehand, meeh. drawing, or penmanship.
Preparatory to high-school Preparatory to	V. LITERARY—SCIENTIFIC.	Preparatory to high-school courses leading to colleges of letters, science, and technology.	po	:::::::::::::::::::::::::::::::::::::::	
Freparatory to high-school courses in engineering course V. Boys expecting to at- high school must elect or colleges should elect grade. Boys expecting to go to a courses in home ecc grade. Boys expecting to at- high school must elect or colleges should elect grade. Boys expecting to at- high school must elect or courses in home ecc grade. Boys expecting to at- high school must elect or courses in home ecc grade. Boys expecting to at- high school must elect or courses in home ecc grade. Boys expecting to at- high school must elect or courses in home ecc grade. Boys expecting to at- high school must elect or courses in home ecc grade. Boys expecting to at- high school must elect or courses in home ecc grade. Boys expecting to at- high school must elect or courses in home ecc grade. Boys expecting to at- high school must elect or courses in home ecc grade. Boys expecting to at- high school must elect or courses in home ecc grade. Boys expecting to at- high school must elect or courses in home ecc grade. Boys expecting to at- high school must elect or course. Boys expecting to at- hysical education. Boys expecting arts. Boys expecting to at- hysical education. Boys expecting arts. Boys expecting to at- hysical education. Boys expecting arts. Boys expecting to at- hysical education. Boys expecting arts. Boys expecting to at- hysical education. Boys expecting arts. Boys expecting to at- hysical education. Boys expecting arts. Boys expecting to at- hysical education. Boys expecting arts. Boys expecting to at- hysical education. Boys expecting to at- hysical education. Boys expecting to at- hysical edu	IV. COMMERCIAL.	Preparatory to high-school commercial courses. Pupilis completing penmanship may substitute another subject.	\$pa		
I. ENGINEERING PREPARATORY. Preparatory to high-school courses in engineering. Boys expecting to attend technical institutes or colleges should elect course V. Geography. Fractical arts.	III. HOME ECONOMICS.	Preparatory to high-school courses in home economics.	di di	English. 5 Geography 5 Mathematics 5 Drawling 6 History 5 Foods. 5	
	II. MECHANIC ARTS.	Preparatory to high-school courses in mechanic arts. Boys expecting to go to high school must elect mathematics in the B 8 grade.	ğ		
B 8 B 8	I. ENGINEERING PREPARATORY.	Preparatory to high-school courses in engineering. Boys expecting to attend technical institutes or colleges should elect course V.	English Geography Mathematics Physical education Penmanship Music Practical arts		

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,=4		-
English. Mathematics, bookkeeping, drawing, typewind or foreign language (elect two). Physical culturing, printling, printling, typewind coloning, printling, typewind, mand, meeh, drawing, or penmanship.	English History or citizenship General secone, mathe- matics, bookeeping, or foreign language (elect two) Physical clouestion. Shop, foods, journalism, printting, typewriting, penmanship, or draw- ing.	English History or citizenship. General science, mathematics, bookkeeping, or foreign language (elect two). Physical education. Physical education. Physical education. Shop, foods, journalism, prining, typing, penmanship, or drawning.
ים טיטיט טיטיטי	יט יט יט יט יט יט יט	טי מיטיט טיטיט
English Applied Science Mathematics Latin, French, or Span- lish Physical celucation. Occupations-ctvics. Shop, elothing, printing, type-writing, free- hand, meeh, drawing, or penmanship.	English Citizenship or history Mathematics General science or for- eign language Physical education Music or oral English Shop, foods, journalism, printing, typewriting, permanship, or draw- ing.	English Citizenship or history. Mathematics General science or for- eign language Physical education. Music or oral English. Shop, clothing, journal- ing, permaniship, or drawing.
11177 111 1010 DIUUU	יטיטיט יטיטטט יט	יס יסיסיסי יסיסיסי
English Applica Seneo Mathematics, bookkeeping, typowriting, or ponmanship (elect two) Prysical education Occupations-civics Practical arts: Boys—elect, Girls—clothing.	English History or citizenship Commercial artimetic. Bookkeeping, stenography, typewriting, or permanship. Physical chreation Musicoral English shop, foods, journalism, typing, permanship, or drawing.	English History or citizenship. Commercia arithmetic. Bookkepping, stemetic. raphy, typewriting, or permanship. Physical colucation. Music or oral English. Shop, clothing, journalism, typewriting, permanship, or drawing.
ರಾರಾರ ರಾರಾರಾ	rororo ororor	क्षाच्या व्यव्यव
English seience. Applied seience. Free-hand drawing. Mathematics, bookkeep- ing, foreign language, typewriting, or pen- manship. Physical education. Occupations-civics. Clothing.	English History or citizonship. Free-hand drawnig. Mathematics, bookkeep. Ing. stenography, general sciency, foreign language, typewrif. Physical education. Music or oral English. Foods.	English History or citizenship. Free-hand drawing. Mathematics, bookkeeping, stenography, general science, foreign language, typewriting or penmanship. Physical education. Music or oral English Clothing
வவவ வவவ	ಗುರುರು ಗುರುರುಗು	יטיטיט יטיטטיט
English Applied science. Mochanical drawing. Mathematics, book- Reepurg, typewrif- ing, penmanship, or Phriving elducation. Occupations-civics. Practical arts.	English. History or ettizenship. Methanical drawin. Mathematics, book- keeping, general selence, stenography, typewriting, print- ing, or permanship. Physical education. Music or oral English.	English. History or citizenship. Mechanical drawing. Mathematics, book- keeping, general sen- ence, stenography, typewriting, print- ing, or permanship. Physical education. Music or oral English. Practical arts.
மம்மைம்மைம்	יט וטיטיטיטט יט	יט וטיטיטיטיט יט
English Applied science Mathematics Mathematics Mechanical drawing Physical of oldeation Occupations-ctvics Practical arts P	English General history or citi- zenship Mathematics Mechanical drawing Physical education Music or oral English Practical arts or general science.	English General history or ctit- zenship. Mathematical drawing Mechanical drawing Missic or oral English Practical arts or gen- eral science.
A 8	B 9	4 9

MINNEAPOLIS, MINN.

_ Ye	ears.	Subjects.	Periods	Subjects.	Periods a week.
	С	Required. English (grammar, composition, literature, spelling, and penmanship). Mathematics Geography. Music. Physical education Industrial work and related art 1	8	Elective.	a week.
	В	English (grammar, composition, literature, spelling, and penmanship). Mathematics. Geography. Hygiene, home and public sanitation. Music. Physical education. Industrial work and related art 1	8 5 5 1 1 ¹ / ₂ 2 7 ¹ / ₂		
	A	English (grammar, composition, literature, spelling, and penmanship). Mathematics. Geography. Citizenship and civics. Music. Physical education. Industrial work and related art 1	5 5 1 1 ¹ / ₂ 2		
	С	English (grammar, composition, literature, spelling, and penmanship). Mathematics. American history. Citizenship and civics. Music. Physical education. Industrial work and related art 1	5 5 11	Elect one.2 Design Pottery. Printing (for girls).	7½ 7½ 7½ 7½
8	В	English (grammar, composition, literature, spelling and penmanship). Mathematics. American history Citizenship and civics. Music. Physical education. Industrial work and related art 1	5 1 1½ 2	Elect ore.2 Design. Pottery. Art metal Penmanship (business forms). Printing (for girls). Latin. French.	7½ 7½ 5 7½ 5
	A	English (grammar, composition, literature, spelling, and penmanship). Mathematics. American history. Citizenship and civics. Music. Physical education. Industrial work and related art 1	$\begin{array}{c} 5 \\ 5 \\ 1 \\ 1\frac{1}{2} \\ 2 \end{array}$	Elect Oone.2 Design	7½ 7½ 5 5 5

¹ Boys: Mechanical drawing, sheet metal, woodwork, printing, agriculture, electricity, and applied mechanics. Girls: Sewing, cooking, home making, textiles, millinery, and junior home nursing. (One of the cycle.)

² To be elected in place of industrial work and related art.

MINNEAPOLIS, MINN.—Continued.

Y	ears.	Subjects.	Periods a week.	Subjects.	Periods a week.
	С	Required. English (grammar, composition, literature, spelling, and penmanship). Chorus. Physical education.	5 2 2	Elect three. Mathematics Science (general). History (world). Commercial geography. Commercial (machine operating and bookkeeping). Latin. French Spanish. Industrial work or art or music	5 5 7½ 5 5
9	В	English (grammar, composition, liter- ature, spelling, and penmanship). Chorus. Physical education.	5 2 2	Elect three. Mathematics Science (general). History (world). Commercial (geography. Commercial (machine operating and bookkeeping). Latin. French. Spanish. Industrial work or art or music	5 5 7 7 5 5
	A	English (grammar, composition, literature, spelling, and penmanship). Chorus. Physical education.	5 2 2	Elect three. Mathematics Science (general) History (world). Commercial geography. Commercial (machine operating and bookkeeping). Latin. French. Spanish. Industrial work or art or music	5 5 7 7 5 5

MURRAY, UTAH.

Seventh grade.	Pe- riods.	Eighth grade.	Pe- riods.	Ninth grade.	Pe- riods.
English	4 4 2 2 2 2 3	English	4 4 2 2 2 2 3	English	5

Electives, seventh and eighth grades.	Pe- riods.	Electives, eighth and ninth grades.	Pe- riods.
Music Nature study. French General agriculture and project work General home economics (Smith-Lever work)	5	Music Ancient history Oral English French Latin. Typewriting Commercial arithmetic General agriculture and project work. Agronomy (Smith-Hughes). Cookery (Smith-Hughes). Community mechanics Auto mechanics (for ninth grade only).	5 5 5

NEW BRUNSWICK, N. J.

SEVENTH YEAR.

Subjects.	Periods a week.	Subjects.	Periods a week.
FIRST SEMESTER. Required. English (literature, compo., grammar, spelling, and penmanship). Arithmetic. Geography. U.S. history. Civics and hygiene. Drawing. Physical training. Music	5 5 4 3 2 2 2 2 2	Required. English (literature, comp.). Arithmetic. Geography. U. S. history and civics. Elementary science. Physical training. Music. Practical arts, with drawing, shop work, boys; domestic sci. and arts (girls). Electives. Total. Electives (choose one). Academic: English (literature, compo.). Commercial: Business forms, penmanship, and arithmetic (rapid calculations). Practical arts: Shop work.	5 4 4 3 2 2 2 2 4 4 4 3 5 4

EIGHTH YEAR.

Subjects.	Periods a week.	Subjects.	Periods a week.		
Required. English (literature, comp., grammar, spelling, and penmanship)!. Mathematics History and civics Commercial geography Elementary science. Physical training 2. Music. Practical arts with drawing shop. work (boys); dom. sci. and arts (girls). Electives. Electives (choose one in either academic, commercial, or practical arts division). Academic: English (literature, comp.) French. Commercial: Business forms and practices, drills in rapid calculation. Practical arts: Shop work, drafting, and art	5 4 4 4 3 2 2 2 4 5 5 5 5 5 5 5 5	Required. Required. English (literature, comp., grammar, spelling, and penmanship)! Mathematics. History and civics. Elementary science. Physical training? Music. Practical arts with drawing shop work (boys); dom. sci. and arts (girls). Electives. Electives. Academic: English (literature, comp.) French. Latin. Commercial: Typewriting. Business forms and practices, drills in rapid calculation. Practical arts: Shop work, drafting and art.	35 4 3 2 2 2 4 9 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		

¹ See (1) under Seventh Year. ² See (2) under Seventh Year.

Note: A foreign language can not be elected unless standard of English is high.

NEW BRUNSWICK, N. J.-Continued.

NINTH YEAR.

First and second semesters.

Academic subjects.	Periods a week.	Commercial subjects.	Peri- ods a week.	Scientific subjects.	Peri- ods a week.	Practical arts—general subjects.	Peri- ods a week.
Required. English. Algebra. Com. civies and elem. science. Physical training 1 Drawing.	5 5	Required. English. Com. arith. and bookkeeping. Com. civies and elem. science. Physical training ¹ Drawing.	5 5 5 2 2	Required. English	5 5 2 4	Required. English. Com. arith. and bookkeeping. Com. civics and elem. science. Physical training i Mech. draw. and shopwork (boys), dom. sci. and arts (girls). Musie.	5 5 5 2 6
Latin	15	Electives. Electives. Latin. French. Spanish. Home econ. and applied art or shopwork. Typewriting (one half credit). Algebra.	555555555555555555555555555555555555555	Latin French Spanish	Electives	Electives	5 5 5 5 5

¹ See (2) under Seventh Year.

A certificate from the junior high school will be granted when all requirements of the year, division, or course chosen are met. In the ninth year, 22 credits or points are required. In making up this number it should be noted that shopwork, cooking, sewing, and typewriting may be counted as credits only for half their prescribed recitation periods; physical training and drawing each for one credit.

OAKLAND, CALIF.

The junior high school course is planned on the basis of a 6-hour day, divided into 8 periods of approximately 40 minutes each, including changes.

	7th.	L-8.	H-8.	L-9.	H-9.
Required. English. Social studies: History. Civics. Geography. Science and hygiene Mathematics. Physical education and habit hygiene Music (appreciation). Drawing. Industrial and home arts Study periods required.	5 3 2 2 2 3 3 3 3 2 4 8	5 3 2 2 2 3 3 3 3 4 10	5 3 2 2 2 3 3 3 3 4 10	5 3 5 8	3 5 3 3 9
Total	35	35	35	30	30
Elective.	5	5	5	{ 415 410	4 15 3 10
Foreign language	5	5	5	5 5 5	5 5
Typing Stenography ² Office practice	5	5	5		5 10) 5 5
Bookkeeping and commercial arithmetic. Drawing and design Printing. Mechanical drawing		`5	5 0 5) 5	(5 to (5 to (5 to (5 to	0 10) 0 10) 0 10) 0 10)
Industrial arts. Home arts. Agriculture. Glee club. Dramatic club. Orchestra.	5 5 3 2 Spec.	5 5 3 2 2	5 5 5 3 2	(5 t	0 15) 0 10) 0 10) 0 10) 3 2
Orthestra	spec.	2	4	9	9

sideration.

3 For girls.
4 For boys.

RICHMOND, VA.

SIXTH GRADE (FIRST YEAR).

SIXII GRADE (FIRST LEAR).								
Subjects.	Periods a week.	Subjects.	Periods a week.					
Required. English literature. Composition, grammar and spelling. United States history. Geography. Arithmetic. Physical training and hygiene Penmanship. Music. Drawing. Girls—sewing. Boys—manual training. Total. Elective. May select 5 periods of the following: French. German. Spanish. Latin. Free-hand drawing.	52 3 52 11 11 22 27	Required. English literature Composition, grammar and spelling United States history Geography. Arithmetic Penmanship Total Elective. Must select 11 periods of the following: Free-hand drawing. Mechanical drawing. Woodwork. Sewing or cooking. Electrical work.	5 2 3 3 5 1 1 19 5 6 6 6 6 6					

¹ This includes H-8 occupations, one period; L-9 occupations, two periods.
² The superintendent's council reserves the matter of decision on the items in the lines (2) for further con-

RICHMOND, VA .- Continued.

SEVENTH GRADE (SECOND YEAR).

Subjects.	Periods a week.	Subjects.	Periods a week.
Required. English literature Composition, grammar and spelling United States history and civics. Geography Arithmetic. Physical training and hygiene. Music. Fenmanship. Total. Elective. Must select 5 periods and may select 9 of the following: General science. French, Spanish, or Latin. Typewriting Cooking or sewing Mechanical drawing Algebra Manual training. Business English Drawing Free-hand drawing	5 3 2 2 5 1 1 1 1 2 1 2 1 4 4 5 5 5 4 4 4 5 5 4 3 3 1	Required. English literature. Composition, letters, forms, spelling United States history and civics. Geography Arithmetic. Penmanship Total	19

EIGHTH GRADE (THIRD YEAR).

English.

History.

Algebra. Free-hand drawing.

Mechanical drawing.

Course-scientific.

Physical geography. English.

Algebra.

Elect one.

Latin. French. German.

Course-Latin.

Latin. English. Algebra.

Elect one.

Physical and commercial.

Geography. History (Greek and Roman).

History. Algebra. English. Course-history. Elect one.

Latin. French.

Course-modern language.

German. English.

Algebra. A modern language.

Elect one.

Physical and commercial geography. History (Greek and Roman).

Course-commercial

English. Commercial arithmetic. Physical and commercial geography.

Elect one.

Latin. French. German. A modern language. Wood or electric work or printing. Course-manual arts (girls). English.

Algebra. A modern language. Cooking. Applied art.

Elective course.

Studies printed in capitals are compulsory.

Course-manual arts (boys).

Elect two.

(Four subjects.)

ENGLISH. Algebra.

Commercial arithmetic. Latin, French, German, or Spanish. Greek and Roman history.

Geography. Typewriting.

Business correspondence. Manual arts.

Printing.
Piano or violin.
(Pupils taking typewriting in this year must carry business correspondence also.)

ROCHESTER, N. Y.

Grades.	7-B	7-A	8B-8A	8B-8A	8B-8A	9B-9A	9B-9A	9B-9A	71-8-9
Curriculums.	Gen. eral.	Gen. eral.	Foreign lan- guage.	Tech.	Com'l.	Foreign lan- guage.	Tech.	Com'l.	Industrial and household.
English. Social studies. Mathematics Science. Health education Industrial and householdarts. Penmanship. Music. Drawing. Poreign language. Typewriting. First lessons in business and mathematics. Commercial geography. Commercial geography. Mechanical drawing or design. Guidance. School activities.	6 5 2 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				A-3½ A-3½ A-3½ A-3½ A-3½ A-3½ A-3½ A-3½ A-3½ B-4 A-½ 3		6 5 4 1 6 1		3 2 3 3 1 1 1 15 3 3

¹ Pupils may elect this curriculum any time after they are 14 years of age and have completed the work of the sixth grade. A State certificate is given on the completion of a 2-year course. A student following this curriculum may receive a certificate of graduation from the school provided he has attended 3 years and has met the necessary requirements.

Each period is 60 minutes long.

SAVANNAH, GA.

FIRST YEAR.

Subjects.	Periods a week.	Subjects.	Periods a week.
General, English language, composition, grammar. Mathematics, arithmetic, practical problems. American history and civics. Descriptive geography. Manual training (boys). Plain sewing (girls). Physiology and hygiene—physical training. Freehand drawing. Music, singing.	5 3 2D 2D 2D	Pre-Vocational. English language, composition, grammar. Mathematics, arithmetic, practical problems. American history and civics. Descriptive geography. Manual training (boys). Plain sewing (girls). Physiology and hygiene—physical training. Freehand drawing. Music, singing.	3 2D 2D 5 2

SECOND YEAR.

English composition Mathematics, practical trade problems, elementary algebra. History, modern events, citizenship. Manual training (boys). Cooking (girls) Physical training and hygiene Freehand drawing, watercolor Music, singing Elementary science	5 3 2D 2D 2 2	English composition Mathematics, elementary algebra, shop problems. History, modern events, citizenship. Manual training (boys). Cooking (girls). Physical training and hygiene. Freehand drawing, watercolor. Music, singing Elementary science.	$\begin{array}{c} 5\\3\\2D\\2D\\2\end{array}$
Electives. Commercial geography French, conversation and correspondence. Spanish, conversation and correspondence.	.3 5 5	Electives. Mcchanical drawing. French, conversation and correspondence Spanish, conversation and correspondence Commercial geography.	5

SAVANNAH, GA -Continued.

THIRD YEAR.

Subjects.	Periods a week.	Subjects.	Periods a week.
English composition, speaking classics. Mathematics, elementary algebra, constructive geometry. Civics. Physical training. Music. Electives. Manual training. Cooking, dressmaking. French. Spanish. First-year Latin. Geography (physical). Agriculture. Drawing.	3 2 2 2D 2D 5 5	English composition, speaking classics. Mathematics, elementary algebra, constructive geometry. Industrial history. Physical training. Music. Electives. Manual training. Cooking, dressmaking. French. Spanish. Physical geography Mechanical drawing.	5 2 2 2D 2D 5 5

D=Double period.

SOUTH BEND, IND.

SEVENTH YEAR.

Subjects.	Periods a week.	. Subjects.	Periods a week.
English Mathematics Geography History and civics Physical education.	5	Music Art. Vocational Auditorium. Elective	2

EIGHTH YEAR.

English. Mathematics Community civics. Commercial geography. Vocational	5 5 5	Physical education. Music Art Ard Auditorium Elective.	1 2 1
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NINTH YEAR.

Required.		Elective—Continued.	
English Mathematics Physical education. Elective. General science. History.	5 2 5	Foreign language Vocational. Music Art Auditorium	

WINCHESTER, VA.

SEVENTH YEAR. EIGHTH YEAR.				NINTH YEAR.		
Subjects.	Pe- riods a week.	Subjects.	Pe- riods a week.	Subjects.	Pe- riods a week	
Required.		Required.		Required.		
English Mathematics. U. S. history, civies, current events. Applied art (girls). Applied art, mecheanical drawing (boys) Domestic science, cooking (girls). Industrial, woodwork (boys) Music Physical education Geography Unassigned, study, advisers, including hygiene and guidance. Total (boys, girls)	8 4 4 3 2 2 2 2 1 2 2 2 2 2 2	English Mathematics U. S. history, civics, current events. Applied art (girls). Applied art, mechanical drawing (boys). Domestic science, sewing (girls). Industrial, agriculture (boys). Music. Physical education. Geography. Unassigned, study, advisers, including hygiene and guidance. Elective groups. (Elect one subject only.) Academic. Latin. French Commercial. Business, office practice Typewriting. Industrial agricultural. Shop and farm mechanics (boys). Cooking, sewing (girls).	4 4 4 3 2 2 2 2 1 1 2 2 2 4 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4	English. U. S. history, civics, current events. Physical education. Music. Unassigned, study, advisers, including hygiene and guidance. Elective courses— A cademic course. Mathematics. General science. French or Latin. Art. Commercial arithmetic and geography. Office practice and penmanship. Typewriting. Art. Agricultural industrial course. Mathematics. Shop and farm mechanics (boys). Domestic science (girls). Mechanical drawing (boys). Art, correspondence, domestic science (girls). Total each course.	2	

MASSACHUSETTS.

Subjects.	Grade 7.	Grade 8.	Grade 9.
English Library Social studies. Mathematics Science Foreign language Practical arts. Fine arts. Physical training.	5{1 5{3 5{2 (0 or 3	$ \begin{array}{c} 5\\ 5 \\ 4\\ 4\\ 5 \\ 2\\ 3\\ 6\\ 0 \text{ or } 4\\ 10 \\ 2 \text{ or } 4\\ 10 \\ 2 \text{ or } 4\\ 2 \text{ or } 4\\ 2 \text{ or } 4\\ 2 \text{ or } 4 \end{array} $	5 5{1 4 5{3 2 0 or 4 10 or 2 or 6 or 8 0 or 2 or 4 2 25

The foregoing program assumes 25 class periods per week for each pupil, and in addition a weekly assembly period, a weekly period for organizations, and daily setting-up exercises. The plan provides for constants and for some exploratory work by the student. Curricula are not differentiated, but there is a modification of the work in mathematics to meet the needs of different groups, and there is much opportunity for choice in foreign language, practical arts, and fine arts.

OHIO. Suggested single curriculum for small junior high schools.

Grade 7.	Grade 7. Grade 8.			Grade 9.	
Subjects.	Pe- riods.	Subjects.	Pe- riods.	Subjects.	Pe- riods.
Required. English. History and geography. Arithmetic. Hygiene. Physical education. Music. Government and citizenship. Penmanship. Practical arts: Household arts (girls); manual arts (boys). Total. Elective. Drawing. Latin. Choose one.	2 2 1	Required. English. History. Mathematics. Hygiene. Physical education. Music. Government and citizenship. Elementary science. Elective. Practical arts: Manual arts (boys); household arts (girls). Agriculture Latin. Commercial. Choose two.	5 4-5 2 2 1 1 2-3 22-24	Required. English. Science. Physical education Community civics (half year); occupational studies (boys, ½ year); homemaking (girls, ½ year). Elective. Mathematics. History. Foreign language (Latin, French or Spanish). Agriculture. English. Commercial. Commercial.	5 16-17 4-5 4-5 4-5 4-5

OREGON. SEVENTH YEAR.

	Minutes	Number of periods a week.		
Subjects.	per week of teaching.	Length 45 minutes.	Length 60 minutes.	
Subjects.				
English	180	6	5	
History Mathematics	150 150	- 5 5	4	
Geography Physical training	120	4	3	
Prevocational ¹	120 180	3	4 3 2 3	
Limited electives (choose one).			Ů	
Art	130	3		
Music	130	3	$\frac{2}{2}$	
Electives.				
French	150	5	4	
Music	110 110	$\frac{2\frac{1}{2}}{2\frac{1}{4}}$	2 2	
Constants ²	110	24	19	
Required 2.		27	21	
EIGHTH YEAR.				
Required.				
English	150	5	4	
History Mathematics	150	5 5	4	
Elementary science	150 150	5 5	4	
Physical training.	100			
Limited electives (choose one).				
French. Business English.	150	5	4	
	90		2	
¹ Shop work for boys, household arts for girls. ² E	clusive of pl	iysical traini	ng.	

OREGON-Continued.

EIGHTH YEAR-continued.

		Minutes	Number of periods a week.		
Subjects.			per week of teaching.	Length 45 minutes.	Length 60 minutes.
Electives. Music. Art. Prevocational ¹ Constants ² Required ² .	130 130 180	3 3 4 20 23	2 2 3 16 18		
	NINTH	YEAR.			
Required. English Biology. Physical training			150 150 100	5 5	5 5
Limited electives (choose on European history			150 150	5 5	5 5
Electives (one or two). French. Latin. Mathematics. Music. Art. Prevocational 1. Constants 2. Required 2.	150 150 150 110 110 180 clusive of ph	5 5 5 5 21 22 4 10 20 aysical train	5 5 5 2 2 2 3 10 20		
PE	INNSY	LVANIA.			
LOW SEVENTH,			HIGH SEV	ENTH.	
Term of adjustment.		Fi	irst term of e	exploration.	
Single curriculum required of all pupils.	Pe- riods.	Modified single pils for indust	curriculum rial and com	required of a mercial try-o	ll pu- puts. Pe- riods.
Prepared work. English. Arithmetic. Social studies. Geography and science.	Prepared won		ial 5 ercial 4		
Ţotal	18	Social studies: vocational ci Geography—sc Commercial: F	vics.	n business	3
Unprepared work.			Unprepared w		
Health education Practical arts, agriculture, home economics. Music Art. Guidance.	1	Health educati Practical arts, Music Art Guidance	agriculture,		1

. 7

25

8

25

Grand total....

Total....

Grand total....

Pupils for whom it is demonstrated that advance is impossible or impracticable beyond the junior high school should major in occupational training specializing either in practical arts, agriculture, home economics, or commercial work. Special rosters should be arranged for such pupils at the end of the seventh year. Special care must be observed that only the small residuum of pupils who must drop out are classified in this group.

LOW EIGHTH. Second term of exploration.		HIGH EIGHTH. Term of testing choice of electives.	
Modified single curriculum required of all pupils for try-out of general, mathematical, academic, and commercial curriculums.	Pe- riods.	Core curriculum.	Pe- riods
Prepared work.	4	Prepared work.	2
English General mathematics Social studies. Elementary science. Commercial work. Vocational guidance.	$\begin{array}{c c} 4\\2\\2\\2\end{array}$	English General mathematics. Social studies Elementary science. Total	14
Total	18	Unprepared work.	
Unprepared work. Health education. Practical arts, agriculture, home economics. Music. Art. Educational guidance for initial educational placement to test choice of electives in high eighths.	2 2 1 1	Health education Practical arts, agriculture, home economics. Music Art Guidance Total Electives (select one).	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Total.	7	Foreign languageCommercial	5
Grand total	25	Practical arts (substituting related mathematics for required practical arts, etc., of core curriculum Grand total.	28

At the close of the low eighth all pupils should, under careful direction based upon thorough scrutiny of exploratory experiences, make selection of electives in the high eighth.

For the sake of those pupils whose original choice of electives is demonstrated to be an error, flexibility of cross-over between electives should be provided by means of coaching, special rosters, or study-coach class.

NINTH YEAR.

STIMULATION TO SENIOR HIGH SCHOOL.

Constants-with-variables or partially differentiated curriculum.

Core curriculum.	Pe- riods.	Electives.	Pe- riods.
English Social studies Health education Practical arts, agriculture, home economics Music Art. Total	2 1 1	General and mathematical curriculums: Algebra General science. Academic: Algebra Foreign language. Commercial: Bookkeeping and business practice Typewriting and office practice	5 5 5

Vocational: Practical arts, agriculture, home economics.	121
Omitting practical arts, etc., music and art, of core curriculum, leaving total of.	11
Substituting vocational mathematics	11/2

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